

WHAT IS CLAIMED IS:

1. A lubricant composition for a diesel engine, said diesel engine being equipped with a regenerative DPF and running on diesel fuel with not more than 10 mass ppm sulfur, said
5 lubricant composition comprising:

a lubricant base oil, and

additives including:

(A) a metal detergent,

(B) an ashless dispersant, and

10 (C) a phosphorus-based anti-wear agent,

wherein said lubricant composition satisfies all of the following conditions (1) to (4):

(1) a sulfated ash content of 0.4 to 2 mass%,

(2) an atomic ratio of metal derived from component (A) to the total phosphorus (M/P ratio) of 0.2 to 3,
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(3) an atomic ratio of the total boron to metal derived from component (A) (B/M ratio) of 0.2 to 2, and

(4) an atomic ratio of the total sulfur to metal derived from component (A) (S/M ratio) of 0 to 4.

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2. The lubricant composition according to claim 1, wherein said sulfated ash content as condition (1) is more than 0.8 mass% and not more than 1.2 mass%.

25 3. The lubricant composition according to claim 1, wherein said sulfated ash content as condition (1) is 0.4 to 0.8 mass%.

4. The lubricant composition according to claim 1, wherein said sulfated ash content as condition (1) is more than 1.2 mass% and not more than 2 mass%.
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5. The lubricant composition according to claim 1, wherein said metal detergent (A) includes at least one of alkaline earth metal salicylate and an overbased or basic salt thereof.
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6. The lubricant composition according to claim 1, wherein said regenerative DPF is a continuous regenerative DPF intended for mounting on a motor vehicle.
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7. A diesel engine system running on diesel fuel with not more than 10 mass ppm sulfur, comprising a regenerative DPF and a lubricant comprising a lubricant composition of claim 1 as an engine lubricant.
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8. A method for inhibiting accumulation of a depositing component on a regenerative DPF in a diesel engine system, said method comprising running said engine system on diesel fuel with not more than 10 mass ppm sulfur, and operating said engine system using a lubricant composition of claim
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- 1 as a lubricant for said diesel engine system.